

Math 1030 November 9, 2006 Homework 16

Text problems: 6.6 # 3, 5, 7, 9, 13

1) Suppose that 51% of voters prefer Pawlenty. If 200 voters are selected at random, what is the probability that 100 or more prefer Pawlenty?

2) 44% of people have cell phones in a certain region. If 40 people in the region are selected, what is the probability that 25 or more have cell phones?

3) A fair coin is flipped 100 times. What is the probability that there are at least 55 heads?

4) 12.3% of drivers within a state have a four wheel drive SUV. If 300 drivers in this state are selected at random, what is the probability that at least 30 have a four wheel drive SUV?